

NEW LONG EDGE TYPE CUTTERS FOR THE VPX 200/300 SERIES

The VPX200 & 300 range of tangential, indexable insert milling cutters from Mitsubishi Materials has been expanded to include new, long edge types. These long edge types expand the application area to include deeper shoulder and pocket machining and complement the recently launched sharp geometry L-breaker inserts for the VPX200 type.

Multi-functional

The VPX series has the ability to be used over an extremely wide range of milling functions, ranging from standard shoulder milling through to ramping and pocketing. This multi-functionality was a key factor in the original design parameters, together with the knowledge that today's machinists require both high performance and optimum usability to reduce cutting tool inventories.

Tangential double sided inserts

The insert geometry provides the required toughness together with the ability of multi-functionality. Importantly, the inserts are double sided and therefore provide the essential element of economy. Additionally, when using the standard length cutters, the convex curved, precision cutting edge produces highly accurate vertical wall surfaces with a maximum of only 8 μm cusp height between each machining mark.

Insert grades and coatings

8 different types, including the latest MP6100, MP7100 and MP9100 series of grades are offered to cover machining of materials from carbon, stainless and hardened steels through to cast iron and difficult-to-cut materials.



The VPX 200 and larger 300 series cutters are available in 2 different sizes to accommodate both large and smaller machines. The 200 series has 09 size inserts, whilst the 300 has larger 12 size inserts and both series are available in shank, screw-in and arbor types, ranging from $\text{Ø}16$ - $\text{Ø}80$.

The new long edge versions are available in the smaller VPX200 range as a shell type from $\text{Ø}32$ - $\text{Ø}50$, a standard shank type from $\text{Ø}20$ - $\text{Ø}40$ and in a Weldon shank type from $\text{Ø}20$ - $\text{Ø}32$. Also new in the larger VPX300 range are shell types from $\text{Ø}40$ - $\text{Ø}80$, and as a standard shank type in $\text{Ø}40$.



MP6130
for steels



MP7130
for stainless
steels



MP9120
for heat resistant
alloys and
titanium

